

Anchal Singh

Data Engineer | AWS Developer

Data Engineer with 5 years specializing in Python development, AWS Cloud services, GitHub Actions CI/CD pipelines, ML models, API integrations, monitoring, and automation. Proven expertise targeting challenging data engineering roles

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PROFESSIONAL EXPERIENCE

Data Engineer | AWS Developer @ Genpact India Noida | Mar 2024 – Present

- Built end-to-end ETL pipelines for Turbine Blade CMS, processing terabytes scale of sensor data from turbines through distributed virtual servers, streaming systems like Kafka, gRpc at near to realtime to AWS s3, ETL using Glue & crawlers to load into Redshift for analytics and research applications in downstream
- Developed EKS-deployed application extracting weather forecast data from IBM, WindCrane and loading to SaaS platforms plus cloud storage for operational decision-making
- Architected AWS infrastructure designs including CI/CD pipelines with GitHub Actions and monitoring using CloudWatch, Grafana, Zabbix, New Relic.

Lead Engineer @ HCL Technologies Pvt. Ltd. Noida | Mar 2023 – Mar 2024

- Engineered automation solutions for OSI layer network services using Python to significantly improve operational efficiency
- Played a key role in architectural strategy meetings, offering critical insights that shape system design choices.

Software Developer @ UST Global Pvt. Ltd. Noida | Aug 2022 – Mar 2023

- Crafted and upheld scalable software solutions, maintaining compliance with coding standards and industry best practices
- Participated across the entire software development lifecycle, encompassing design, development, testing, and deployment phases.

Software Developer and Trainer @ Solitaire Infosys Mohali | Apr 2021 – Aug 2022

- Engineered strong Python applications, utilizing effective algorithms and following premier coding standards
- Conducted in-depth training workshops, teaching Python programming to varied groups, focusing on a practical, interactive approach.

EDUCATION

B.Tech. in Electronics & Communication (2021) Rajiv Gandhi Govt. Engg. College Electronics & Communication

CORE COMPETENCIES

technical: Python, Data Analysis, RESTful APIs, API Integration, Machine Learning, Amazon AWS, ETL processes, Data Visualisation

soft: Strong Communication, Problem Solving, Cross-Functional Collaboration, Adaptable and flexible, Goal-oriented, organized, and adaptable

CERTIFICATIONS

AWS by CloudHire
Python by CloudHire (Jan 2026)

LANGUAGES

English Hindi